

ice broke and moved out with rapidly-rising waters. Danger-line stages were passed in some places, particularly along the North and West Branches of the Susquehanna, but no damage of consequence was reported, except along the upper portion of the North Branch of the Susquehanna, where there was some flooding of bottom lands and cellars.

There was also a rapid rise in the lower Connecticut River during the last few days of the month. At Hartford, on the 31st, the stage of the river was 22 feet, 9 feet above the danger line, and Commerce street, the lower end of State street, and portions of East Hartford were flooded.

During the last week of the month opportunity was afforded for a very successful trial of the new river and flood service along the Grand River of Michigan. There was a moderate flood from the 25th to the 29th, inclusive, with a crest stage of about one foot above the danger line of eleven feet at Grand Rapids. Warnings of the flood were issued well in advance of its coming, and the new service was at once established in the popular confidence.

CLIMATE AND CROP SERVICE.

By Mr. JAMES BERRY, Chief of Climate and Crop Division.

The following summaries relating to the general weather and crop conditions during March are furnished by the directors of the respective sections of the Climate and Crop Service of the Weather Bureau; they are based upon reports from cooperative observers and crop correspondents, of whom there are about 3300 and 14,000, respectively:

Alabama.—Warm and favorable for work. Rainfall deficient, except in extreme southwest, where it was excessive. Much upland corn planted, some up by close of month, when gardening was well advanced. Considerable cotton land prepared and a little cotton planted. Wheat improved. Fall oats proved a failure, though an increased acreage of spring oats did well. February freeze killed one-third of the peach buds, otherwise fruit prospect continued good, nearly all varieties in bloom by 25th.—*F. P. Chaffee.*

Arizona.—Excessive precipitation during the first two decades. Heavy snowfall in northern and high altitudes of southern section 8th to 20th, melted rapidly after the 23d, causing floods, which destroyed considerable property. Weather favorable for farming operations last decade, except in northern counties, where the ground was too wet for plowing. First alfalfa cut on the 27th. Wheat and barley heading, thriving well. Stock fat. Ranges good. Feed and water plentiful. Desert lands covered with grass, weeds, and flowering plants two to five feet in height.—*L. N. Jesunofsky.*

Arkansas.—The temperature was above normal and there was ample moisture. Considerable progress was made in spring plowing. Some corn and potatoes were planted, and oats sown, and in favored sections potatoes and oats were beginning to come up to good stands. Severe cold during the winter injured peach trees materially in the northern portion of the State; in other sections the injury was slight; other fruit trees wintered nicely. Apple, peach, and plum trees, and strawberries blossomed last of month.—*Edward B. Richards.*

California.—Abnormally high temperature prevailed during the first half of the month, and the precipitation was above the average, especially in the south, where phenomenal rains occurred. No material damage to crops resulted from the unusual heat and heavy rain, but severe frosts on the 30th and 31st caused slight injury to early deciduous fruits in some sections. In many places the fruit was too far advanced to be damaged by frost.—*Alexander G. McAdie.*

Colorado.—The weather was generally mild, with an abundance of moisture. Plowing was pushed in north-central and eastern counties, but in southern and western counties work was delayed by wetness of the soil. On an average one-half the area to be cultivated was ready, and seeding and planting under way. Except in the north-central and northeastern counties, the season was late. Wheat came through the winter in good condition. In parts of Custer, Delta, Mesa, and Garfield counties peach, apricot, and cherry trees were injured by the severe cold of February, but the extent of damage can not now be estimated.—*F. H. Brandenburg.*

Florida.—The month was warmer and wetter than the normal. Work was pushed to advantage, the bulk of the corn crop having been planted, and a goodly acreage to cotton. The stands were generally good. The vegetable crop was somewhat backward, owing to the cold of winter; shipments, however, began to increase during the last decade. Cane advanced very well. Citrus trees protected during the winter showed more bloom than trees not protected.—*A. J. Mitchell.*

Georgia.—March weather was favorable to farming operations; temperature considerably above normal, freezing and killing frosts confined

The ice had entirely disappeared from the rivers by the end of the month except in New England. Reports from all districts affected indicate that the ice passed out quietly, with very little gorging and resultant damage. No ice was seen at Cairo, either in the Mississippi or Ohio, after the 3d, and at Kansas City there was none after the 4th. Navigation on the Mississippi was resumed as far north as Dubuque by the 28th, while below St. Louis it began with the disappearance of the ice on the 3d.

The highest and lowest water, mean stage, and monthly range at 291 river stations are given in Table VI. Hydrographs for typical points on seven principal rivers are shown on Chart V. The stations selected for charting are Keokuk, St. Louis, Memphis, Vicksburg, and New Orleans, on the Mississippi; Cincinnati and Cairo, on the Ohio; Nashville, on the Cumberland; Johnsonville, on the Tennessee; Kansas City, on the Missouri; Little Rock, on the Arkansas; and Shreveport, on the Red.—*H. C. Frankenfeld, Professor.*

to northern section; rainfall far below normal, except in southern section, but generally sufficient for agricultural needs. Farmers behind with work in some sections. Corn planting was progressing over State last of month, nearing completion in south; cotton planting begun in northern, making satisfactory headway in southern half. Wheat, oats, and rye promising; oats irregular in some sections. Fruit crop generally excellent; peaches scarce in scattered sections.—*J. B. Marbury.*

Idaho.—First half of month warm and bright; latter part much cooler, with frequent high winds, rains, and snows, and some sleet and hail. Fall sown grain, hay crops, fruit trees, and shrubs wintered in excellent condition. Farm work progressed rapidly during the month. A large acreage was prepared for sugar beets. Stock was in good condition; some cattle and sheep were turned out to summer ranges.—*Edward L. Wells.*

Illinois.—The weather during the month was of marked clemency and very favorable for farming operations. Plowing and seeding, as compared with last year, were advanced three or four weeks. At the end of the month the sowing of oats in the central district was well under way or finished, and plowing was well advanced in other districts. Wheat was exceptionally promising, the plant being vigorous and well stooled. Peaches showed great injury, but other fruits were mostly promising.—*William G. Burns.*

Indiana.—The weather, especially during the latter half of the month, was exceptionally mild and favorable to farming interests. During the last week sowing oats, planting potatoes, and making gardens were in progress. Wheat was never in better condition or more promising at the last of March. Rye, clover, and meadows were also doing well. Budded peaches in some orchards were reported killed, but generally fruit of all kinds was alive.—*W. T. Blythe.*

Iowa.—Except about a week in the second decade, March was phenomenally warm. The ground thawed rapidly and the surface was generally dry enough for field work after the 20th. Spring wheat seeding was nearly completed and oats and barley seeding begun before April 1. Plowing sod ground for corn was in progress. Fall wheat, rye, and clover wintered well and grass was unusually green at the close of the month. Fruit buds showed no damage. Live stock was healthy.—*John R. Sage.*

Kansas.—Wheat was in good condition and growing. Oat and barley sowing progressed, and oats, barley, and spring wheat were coming up. Alfalfa and tame grass were growing well; wild grass was starting. Potatoes were being planted, some coming up. Ground fine; plowing progressing. Corn planting begun. Apricots blooming in the south; peaches killed; apples safe. Farm work well advanced.—*T. B. Jennings.*

Kentucky.—Season early; weather favorable, conditions unusually favorable. Winter wheat looking well and never more promising, except in east portion. Tobacco beds sown and some plants coming up. Stock poor in some instances, but improving. Some scarcity of feed, but grass and pastures doing well. Oats being sown, potatoes planted, gardens begun, and plowing done for corn, but none planted. Fruit blooming and good prospects for crop, except that peaches were killed in some localities.—*F. J. Walz.*

Louisiana.—Moderate temperatures during the month were favorable for agricultural interests, but frequent rains interfered with farming operations. Very little land had been prepared for cotton. Corn planting was pushed forward as rapidly as possible. In some places the bulk of the crop had been planted, while in others planting had barely commenced. Some corn was planted in unbroken ground. Sugar cane planting progressed slowly; seed cane was in good condition. Preparations for

rice crop were well advanced. Truck gardens were growing rapidly. Strawberries were ripening.—*I. M. Cline.*

Maryland and Delaware.—March temperatures were two degrees above and precipitation was slightly below normal. Thunderstorms occurred on the 19th, 24th, 26th, and 30th. Farm work was very backward. Plowing and planting were begun after much delay from wet ground and rains. Warm weather caused rapid growth. Wheat was much improved; early sown was generally excellent, late sown thin. Grasses very good. Clover and some oats were seeded and early gardens were planted. Some peach buds were killed.—*Oliver L. Fassig.*

Michigan.—March weather conditions were generally favorable to winter wheat and rye, which at the close of the month were in healthy and promising condition. Fruit buds were very promising; most trees were well budded and the buds had not been prematurely forced. Field work at the close of the month was just beginning in the southern counties. At the close of the month the snow and frost had almost entirely disappeared in the lower peninsula and to a considerable extent in the upper.—*C. F. Schneider.*

Minnesota.—A warm month, except from about the 9th to the 15th. The precipitation was generally below the normal. About the 14th snow covered the ground in northern, eastern, and southern portions. Frost came out of the ground, and small lakes and rivers were open late in the month. Spring wheat seeding began on the drying uplands at many points on the 27th. Winter wheat, winter rye, and clover seemed to have wintered well.—*T. S. Outram.*

Mississippi.—Uniformly mild temperatures prevailed during the month. There were some heavy rains, especially south. Farm work was backward. Many lowlands were too wet to plow; but little cotton land was prepared for planting. At the close of the month corn planting was in progress in the south and truck gardens were doing well. Spring oats were planted and came up to good stands. Fruit was generally promising, except that many peach buds were killed by the freeze in February.—*W. S. Belden.*

Missouri.—The usual characteristic features of March weather—high winds, and alternate freezing and thawing—were almost entirely absent. Wheat, rye, timothy, and clover made marked improvement and were satisfactory in growth, color, and stand at the close of the month. Plowing for and planting corn advanced rapidly; oat seeding was about completed, and potato planting finished. Fruit trees were full of bloom, except peaches, which were nearly all winter-killed. Season ten days earlier than last year.—*George Reeder.*

Montana.—The warmest March in a period of eleven years. Moisture deficient in eastern half; about normal in west, but inadequate to the needs of crops and ranges. Plowing progressed favorably where not too dry; seeding of oats, barley, and spring wheat began about the 15th. Range grass and winter wheat made a good start, but needed rain. The condition of cattle, sheep, and horses on the ranges was considerably better than is usual in spring, owing to the mild, open winter.—*R. F. Young.*

Nebraska.—March was warm, with about normal precipitation. The weather was favorable for the advancement of spring work on the farm, and the soil was in excellent condition. Considerable plowing was done and some spring wheat and oats were sown. Winter wheat started nicely and, with very few exceptions, was in vigorous, promising condition at the end of the month. Grass started early and grew rapidly.—*G. A. Loveland.*

Nevada.—First half of month mild and dry, but latter half somewhat stormy and moderately cold. Weather and soil conditions favorable for plowing and seeding throughout the month. Rye and spring wheat up and looking fine at close of month. Pastures green and range feed good; stock in fine condition; prospects for a water supply during the summer months rather discouraging on account of a deficiency of snow in the mountains.—*J. H. Smith.*

New England.—Weather colder than average for March, except the closing week, when the temperature was near the seasonal average. The precipitation, generally rain, was well distributed throughout the month, but was deficient in nearly all sections; fall very light in parts of Maine. Snow had disappeared, except in the woods and drifts in sheltered places; frost in ground, except in southeastern sections. Grass and winter grain wintered well; fruit buds were in good condition. Weather was unfavorable for sugar and crop promised to be small.—*J. W. Smith.*

New Jersey.—Early sown wheat and rye were in good growing condition; stands even, except on low fields, where ice did some injury; late sown wheat in southern portion quite thin on the ground. Meadows, both old and new, were very promising. Plowing was quite general in the southern section and some potatoes, peas, and early corn were planted.—*Edward W. McGann.*

New Mexico.—General, heavy rains until close of second decade, later some high winds and cold weather. Month favorable for farming and stock raising interests; soil in excellent condition for early plowing and seeding and work progressing at close of month. Early sown small grain coming up to good stand; alfalfa and range grasses growing rapidly; early fruits blooming in south and central districts. Stock generally in fair condition, but some losses in northeast district; early and successful lambing season promised.—*Charles E. Linney.*

New York.—The temperature was considerably below the normal dur-

ing the first half of the month, but decidedly above in the latter part. A very warm spell occurred from the 26th to the 31st, with excessively high temperatures on the 29th. Many stations reported temperatures ranging in the eighties and all former records for hot weather in March were broken. Conditions were favorable for grass and winter grain. Fruit buds appeared to be in good condition. The weather was unfavorable for making maple sugar. No plowing of any importance was done.—*H. B. Hersey.*

North Carolina.—March was highly favorable for agricultural interests in every respect. The first decade was moderately cold, but the remainder of the month was quite warm, without frosts and with moderate amounts of precipitation. All vegetation advanced rapidly. Farm work, especially plowing, made excellent progress. Wheat, rye, oats, clover, and grass made vigorous growth. Preparing tobacco beds, planting truck crops and gardens, sowing spring oats, and planting corn occupied the attention of most farmers during the month.—*C. F. von Herrmann.*

North Dakota.—The month was warmer than usual, being the warmest of its name for the past fourteen years. Considerable farm work was done the latter part, and in some few sections a small amount of wheat was sown. Live stock came through the winter very well; March as a rule is very unfavorable, but this year stock was able to graze on the prairies during the greater portion of the month.—*B. H. Bronson.*

Ohio.—The weather was very favorable for wheat and other winter grains and for grass fields, except that the need of rain was being felt to some extent. Many reported that wheat was in better condition than for several years at the end of March. Plowing and oat seeding progressed rapidly in most southern and western counties. Tobacco beds and gardens being made at close of month. Peaches thought to have been somewhat winter-killed in western counties.—*J. Warren Smith.*

Oklahoma and Indian Territories.—The highest average temperature and greatest precipitation, with one exception, of any March on record; rains were general and heavy and greatly delayed farm work. Wheat made rapid improvement and was in good condition; oat, barley, and spelt seeding progressed and early planted came up to good stands; alfalfa and grass made rapid growth; corn and cotton ground being prepared and some planted; early potatoes and gardens planted. Stock was in fair condition. Peaches winter-killed, other fruits in promising condition and blooming.—*C. M. Strong.*

Oregon.—The first half of the month was very favorable for farming operations and much plowing and seeding were done. Fall wheat stood nicely and its condition everywhere was healthy and promising. The last half of the month was rainy, and grass and forage plants made such good growth that much stock was turned out to pasture. Hops and early gardens came up nicely. Fruit was damaged slightly by late frosts.—*Edward A. Beals.*

Pennsylvania.—The last seven days of the month gave exceptionally warm weather and the conditions were unusually favorable to the development of winter grain, meadows, and vegetation in general. At the close of the month some oats had been sown and potatoes planted, plowing was in progress, clover had started nicely, and the soil was in excellent condition, except in the extreme northwest counties.—*H. A. McNally.*

Porto Rico.—The weather was favorable in general for all agricultural operations. A drought prevailed until the last days of the month in the southern section, but frequent showers fell in the remaining portions. Cane grinding progressed satisfactorily, an average grade of juice being obtained. An unusually large acreage was planted to cane and a considerable amount of small crops was put in. Coffee trees were blossoming nicely. Small crops of tobacco and cotton of average quality were harvested.—*E. C. Thompson.*

South Carolina.—With the exception of a short cool period near the middle of the month, a rainy period from the 7th to the 12th, and light frosts on the 25th, the weather was entirely favorable. Plowing, planting, germination, and growth progressed rapidly, so that practically all early corn, some cotton, and minor crops generally were planted. Truck grew rapidly and earliest was marketed. Fruit trees of all kinds bloomed freely. Tobacco came to good stands in beds.—*J. W. Bauer.*

South Dakota.—Month much warmer than usual. Though damp soil retarded preparatory field work, considerable was done, and at the end of the month spring wheat seeding was generally begun, with the soil in good condition, and grass was starting. Winter rye and the limited acreage of winter wheat came through the winter nicely and were looking well. There was no report of injury to fruit buds. Satisfactory conditions prevailed on the open ranges and stock generally was in good spring condition, having wintered favorably.—*S. W. Glenn.*

Tennessee.—The month was remarkably favorable for growth of vegetation and for farm work, which progressed rapidly. Wheat showed wonderful improvement; spring oats were up, with good stands; young clover and grasses fine; corn planting in progress; early fruits in bloom in some sections.—*H. C. Bate.*

Texas.—Moderate temperatures prevailed. Showery conditions resulted in an irregular distribution of rainfall, in many localities retarding farming operations, which were from two to four weeks behind over the greater portion of the State. Winter wheat, rye, and barley showed improvement. Fall sown oats suffered much damage in February, but the spring sown were in fine condition. Corn planting was much retarded. Preparations

SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS, MARCH, 1905.

In the following table are given, for the various sections of the Climate and Crop Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and

lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observation. Of course the number of such records is smaller than the total number of stations.

Section.	Temperature—in degrees Fahrenheit.								Precipitation—in inches and hundredths.					
	Section average.	Departure from the normal.	Monthly extremes.						Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.	Lowest.	Date.			Station.	Amount.	Station.	Amount.
Alabama.....	59.8	+ 3.8	Lucy.....	90	31	Anniston.....	26	1	3.70	-2.24	Spring Hill.....	11.05	Dadeville.....	1.28
Arizona.....	54.2	+ 0.5	Buckeye.....	92	25	Tuba.....	12	27	4.18	+3.31	Pinal Ranch.....	10.03	Tuba.....	0.96
Arkansas.....	57.1	+ 4.8	Brinkley.....	92	26	Lutherville.....	26	2	5.31	+0.03	Warren.....	10.80	Russellville.....	1.94
California.....	54.7	+ 2.7	Imperial.....	94	26	Bodie.....	-14	30	5.42	+1.68	Bowmans Dam.....	20.42	Calexico.....	0.91
Colorado.....	38.9	+ 5.2	Lamar.....	80	26	Antelope Springs.....	-9	11	2.24	+1.14	Silverton.....	5.58	Conejos.....	0.23
Florida.....	66.7	+ 2.6	Orange City.....	92	30	Molino.....	31	1	3.93	+0.96	Wausau.....	7.99	Myers.....	0.18
Georgia.....	59.1	+ 3.6	Bainbridge.....	88	31	Diamond.....	29	1	3.03	-2.44	Cordele.....	5.61	Waynesboro.....	0.65
Idaho.....	41.2	.....	Blue Lakes.....	76	3	Chesterfield.....	-1	1	2.21	.....	Landore.....	5.11	Vernon.....	0.73
Illinois.....	45.7	+ 6.0	Chester.....	84	28, 31	Knoxville.....	8	11	2.30	-1.02	Tilden.....	3.79	Urbana.....	0.75
Indiana.....	46.0	+ 6.4	Cobden.....	84	25	Auburn, Markle.....	7	15	2.52	-1.26	Seymour.....	4.14	Logansport.....	1.19
Iowa.....	41.5	+ 9.1	Seymour.....	86	31	4 stations.....	1	11	2.04	+0.20	Inwood.....	3.70	Glenwood.....	0.39
Kansas.....	50.3	+ 8.5	Onawa.....	84	27	Colby.....	15	29	2.26	+1.14	Independence.....	5.63	Jetmore.....	0.33
Kentucky.....	52.2	+ 5.2	Medicine Lodge.....	89	27	Beattyville.....	22	3	4.45	-1.02	Mount Sterling.....	6.86	Franklin.....	1.95
Louisiana.....	63.2	+ 3.1	Calhoun.....	86	28	Calhoun.....	33	1	6.38	+1.42	Baton Rouge.....	11.12	Port Eads.....	2.98
Maryland and Delaware.....	45.3	+ 2.3	Plain Dealing.....	89	6	Deer Park, Oakland, Md.....	-15	2	3.16	-0.43	Bachmans Valley, Md.....	6.86	Chewsville, Md.....	0.99
Michigan.....	31.8	+ 3.3	Boettcherville, Md.....	88	29	Humboldt.....	-34	11	2.32	-0.01	Mackinac Island.....	6.79	Ironwood.....	0.53
Minnesota.....	33.7	+ 7.4	Charlottesville.....	87	29	Pokagama Falls.....	-32	12	1.21	-0.29	Grand Meadow.....	2.88	Glencoe.....	0.30
Mississippi.....	60.7	+ 4.5	Laverne.....	77	27	Agricultural College.....	31	10	5.38	-0.54	Pecan.....	11.55	Lake Como.....	2.75
Missouri.....	50.3	+ 7.8	Natchez.....	87	27	Unionville.....	10	11	2.99	-0.33	Dean.....	7.08	2 stations.....	0.70
Montana.....	38.1	+ 8.9	New Palestine.....	88	27	Fort Logan.....	-8	11	0.81	-0.14	Saltese.....	3.35	3 stations.....	T.
Nebraska.....	43.4	+ 3.2	Jackson.....	88	28	Winnebago.....	7	11	1.31	+0.19	Duff.....	4.65	Alliance.....	0.10
Nevada.....	41.8	+ 3.2	Cascade, St. Pauls.....	75	3	Winnemucca.....	3	30	1.43	+0.45	Lewers Ranch.....	5.45	Hawthorne.....	0.00
New England*.....	31.4	- 0.7	Fairbury, Grant.....	88	25, 27	Van Buren, Mo.....	-27	13	2.48	-1.45	Monson, Mass.....	4.56	Houlton, Me.....	0.70
New Jersey.....	39.8	- 1.5	Caliente.....	82	29	Crean Hill, Hawleyville, Conn.....	82	29	2.48	-1.45	Indian Mills.....	5.06	Cape May.....	2.80
New Mexico.....	47.7	+ 2.0	Belvidere.....	87	29	Layton.....	-7	5	3.95	-0.21	Cinnarron.....	5.42	Estancia.....	0.38
New York.....	31.2	0.0	Elizabethtown.....	85	30	Elizabethtown.....	4	11	2.23	+1.85	Mount Hope.....	4.56	Paul Smiths.....	0.60
North Carolina.....	52.9	+ 4.1	Port Jervis.....	88	29	Faust.....	-22	1	2.42	-0.14	Manteo.....	5.22	Mount Holly.....	0.84
North Dakota.....	32.5	+14.5	Kinston.....	88	24	Snow Hill.....	20	3	2.43	-0.27	Hamilton.....	2.50	Donnybrook.....	T.
Ohio.....	42.7	+ 4.4	Medora.....	81	3	Larimore.....	-25	12	0.87	-0.15	Ironton.....	5.14	Bucyrus.....	0.22
Oklahoma and Indian Territories.....	56.4	+ 5.5	Clarington, Ironton.....	85	29	Garrettsville.....	-5	2	2.50	-0.70	Fort Gibson, Ind. T.....	8.45	Woodward, Okla.....	1.20
Oregon.....	47.2	+ 4.9	Alva, Okla.....	92	26	Healdton, Ind. T.....	21	10	4.13	+1.93	Falls City.....	13.53	Grass Valley.....	0.05
Pennsylvania.....	39.0	+ 2.5	Marshallfield.....	86	7	Silver Lake.....	2	30	5.09	+0.56	Girardville.....	6.57	Erie.....	1.40
Porto Rico.....	74.0	.....	Irwin, Lewisburg.....	86	29	Smethport.....	-18	5	3.86	+0.07	Las Marias.....	9.31	Guanica Central.....	1.05
South Carolina.....	57.8	+ 3.5	Mauch Chunk.....	86	29	Aibonito.....	46	19	4.82	.....	Cheraw (2).....	3.96	Anderson.....	0.89
South Dakota.....	39.0	+10.7	Central Aguirre.....	95	19	Gaffney.....	28	3	2.15	-1.70	Tyndall.....	6.13	Cheyenne Agency.....	T.
Tennessee.....	55.1	+ 6.7	Mayaguez.....	95	27	Sisseton Agency.....	-3	12	0.99	-0.15	Liberty.....	6.31	Jonesboro.....	1.02
Texas.....	61.4	+ 3.5	Walterboro.....	93	31	Erasmus.....	20	1, 3	4.05	-1.53	Sugarland.....	10.71	Texline.....	0.83
Utah.....	42.2	+ 4.1	Elk Point, Tyndall.....	84	27	Texline.....	25	8	4.29	+2.28	Alta.....	8.00	Cisco.....	0.17
Virginia.....	48.0	+ 2.5	Dover.....	85	28	Plataau.....	0	31	1.76	+0.27	Petersburg.....	4.15	Columbia.....	1.27
Washington.....	46.5	+ 4.6	Pope.....	85	28	Lincoln.....	8	2	2.59	-1.32	Clearwater.....	13.59	Wahlake.....	0.30
West Virginia.....	46.6	+ 4.8	San Antonio.....	93	30	Cedonia.....	20	12	3.33	+0.37	Terra Alta.....	6.46	Moorefield.....	1.45
Wisconsin.....	33.2	+ 4.2	Grayson.....	83	30	Cusick.....	20	9, 10	2	4.10	Watertown.....	3.12	Berlin.....	0.18
Wyoming.....	35.8	+ 6.1	Hatton.....	84	8, 9	Borler.....	-2	2	1.62	-0.18	Norris Geyser Basin, (Y. N. Park).....	3.23	Fontenelle.....	T.
			Moundsville.....	88	29	Daniel.....	-8	1, 2	1.12	-0.20				
			Prentice.....	78	28									
			Buffalo.....	74	2									

* Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

for cotton planting were active, but wet weather caused much delay; gardening was also hindered and some truck was damaged by excessive rains. Some rice land seeded. Planting of sugar cane in progress. Pastures improved. Stock doing well. Fruit prospects appeared excellent.—*M. E. Blystone.*

Utah.—Temperatures above normal and precipitation below during early March were followed by two weeks of heavy precipitation with cooler weather. Farm lands were well saturated and considerable snow fell in the mountains. Much farm work was done, many fields having been sown to grain before the wet close of the month, and some grain was coming up. Winter grain was making good growth. Fruit was generally safe, except some varieties of peaches injured by frost, and was budding profusely. The range was good and stock was thriving.—*R. J. Hyatt.*

Virginia.—The month was generally favorable for the growth of all crops, the weather being for the most part bright, sunny, and warm. Precipitation was somewhat deficient, but not enough so to be detrimental to the advance of vegetation. Winter wheat, oats, and rye came through the month very well. Spring work was advancing. Pear and cherry trees were blooming.—*Edward A. Evans.*

Washington.—The weather was so mild and dry the early part of the month that farmers began plowing and spring sowing about three weeks earlier than usual. Rains interrupted soon after the 15th. Fruit bloss-

soms, brought out early by the warmth of the fore part of the month, were somewhat injured by frosts at its close. The weather was favorable for winter and spring sown wheat and early planted vegetables. Winter wheat looked well, and spring sown was coming up well.—*G. N. Salisbury.*

West Virginia.—Good rains fore part and mild, pleasant weather latter part of month brought vegetation forward rapidly. Wheat and rye were in rather poor condition, but were starting nicely. Grass was green, fruit buds were swelling, considerable plowing had been done, some potatoes planted, and some oats sown. Stock wintered fairly well, but there was some scarcity of feed. The prospects for fruit appeared to be good.—*E. C. Vose.*

Wisconsin.—The month was mild throughout, except from the 10th to the 12th, when a moderately severe cold wave overspread the State. The snow disappeared generally about the 15th. Winter wheat, rye, and grasses came through the winter in excellent condition. Some seeding was done in the southern counties during the last week of the month.—*W. M. Wilson.*

Wyoming.—The month was unusually mild throughout the State and very favorable for the stock, which came through the winter in excellent condition in nearly all sections. Over the earlier sections plowing began early in the month, and by its close seeding was well advanced over much of the State, and completed in some of the earlier sections. Range grass made a good start by the close of the month.—*W. S. Palmer.*